

Appendix-C LTE Band 38

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.09	24.1	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.34	24.35	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.84	23.85	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.1	23.11	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.94	23.95	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.38	24.39	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.06	24.07	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.04	23.05	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.59	23.6	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.21	24.22	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.59	23.6	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.95	22.96	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.38	23.39	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.94	23.95	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.38	23.39	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.16	22.17	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.88	22.89	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.39	23.4	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.07	23.08	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.01	22.02	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.28	23.29	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.01	23.02	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.26	23.27	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.8	21.81	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.64	21.65	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.3	22.31	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.53	21.54	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.51	21.52	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.57	21.58	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.23	22.24	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.69	21.7	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.22	21.23	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.44	21.45	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.9	21.91	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.42	21.43	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.17	21.18	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.24	24.25	33.00	PASS

Band38	10MHz	QPSK	37800	1RB#24	23.53	24.54	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.95	23.96	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.06	23.07	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.78	23.79	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.45	24.46	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.9	23.91	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.97	22.98	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.92	23.93	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.93	23.94	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.86	23.87	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.92	22.93	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.17	23.18	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.81	23.82	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.66	22.67	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.96	21.97	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.2	23.21	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.4	23.41	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.28	23.29	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.02	22.03	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.47	23.48	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.3	22.31	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.37	23.38	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.83	21.84	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.79	21.8	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.01	22.02	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.65	21.66	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.17	21.18	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.68	21.69	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.98	21.99	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.78	21.79	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.27	21.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.6	21.61	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.76	21.77	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.47	21.48	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.96	20.97	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.19	24.2	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.1	24.11	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.79	23.8	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.04	23.05	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.78	23.79	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.7	23.71	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.85	23.86	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.03	23.04	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.94	23.95	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.51	23.52	33.00	PASS

Band38	15MHz	QPSK	38175	1RB#74	22.89	23.9	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.92	22.93	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.2	23.21	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.78	23.79	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.94	22.95	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.04	22.05	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.79	22.8	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.37	23.38	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.84	22.85	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.01	22.02	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.39	23.4	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.99	22	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.23	23.24	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.89	21.9	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.75	21.76	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.64	21.65	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.64	21.65	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.15	21.16	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.62	21.63	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.64	21.65	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.62	21.63	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.05	21.06	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.56	21.57	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.31	21.32	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.43	21.44	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.85	20.86	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.17	24.18	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.15	24.16	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.56	23.57	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.98	22.99	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.97	23.98	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.14	24.15	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.77	23.78	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.91	22.92	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.78	23.79	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.75	23.76	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.26	23.27	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.91	22.92	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.74	23.75	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.1	23.11	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.36	23.37	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.98	21.99	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.97	22.98	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.38	23.39	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.84	22.85	33.00	PASS

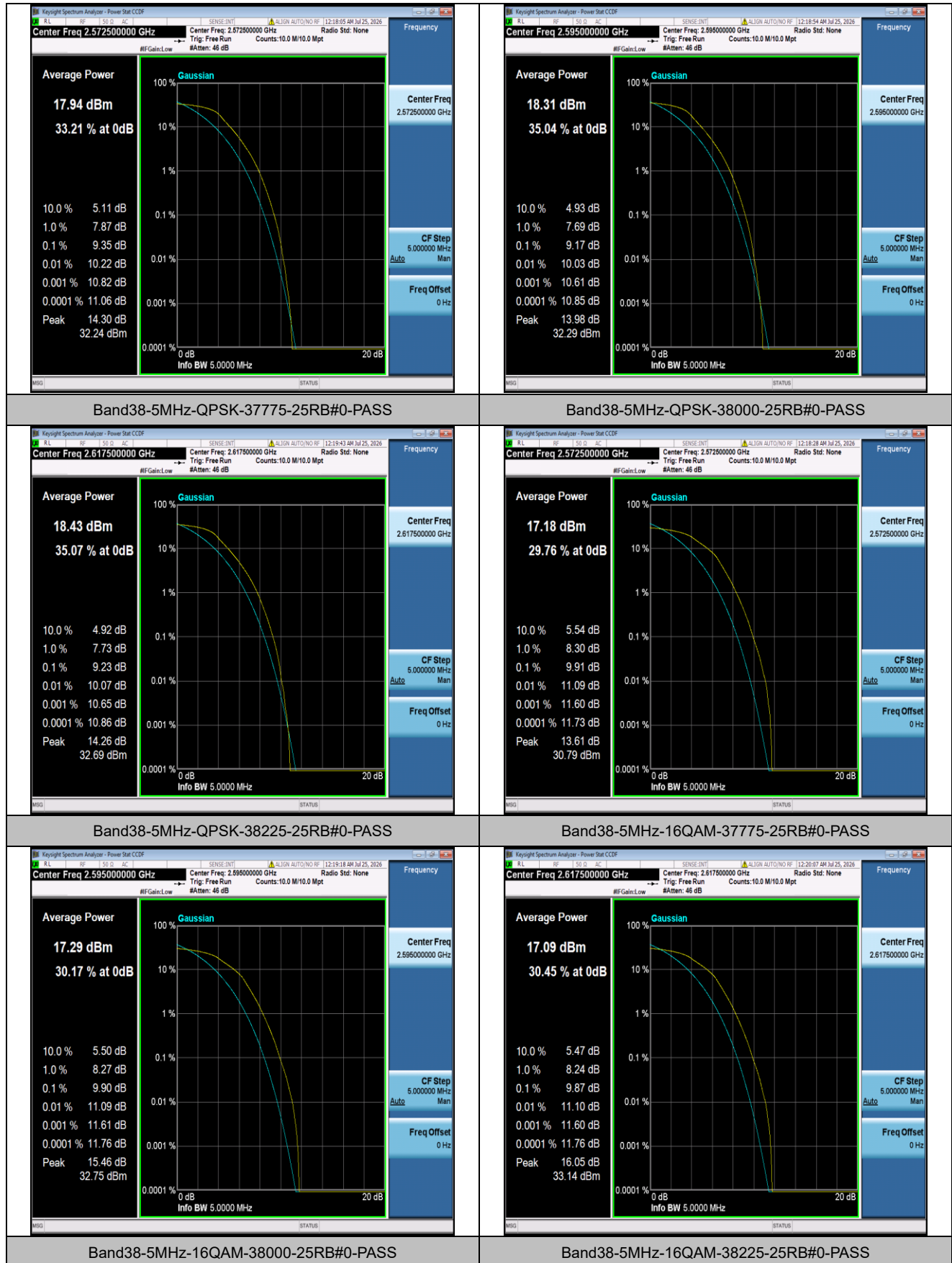
Band38	20MHz	16QAM	38000	100RB#0	20.82	21.83	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.66	22.67	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.42	22.43	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.47	22.48	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.63	21.64	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.75	21.76	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.05	22.06	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.56	21.57	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.29	21.3	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.58	21.59	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.83	21.84	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.51	21.52	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.26	21.27	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.57	21.58	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.78	21.79	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.27	21.28	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.84	20.85	33.00	PASS

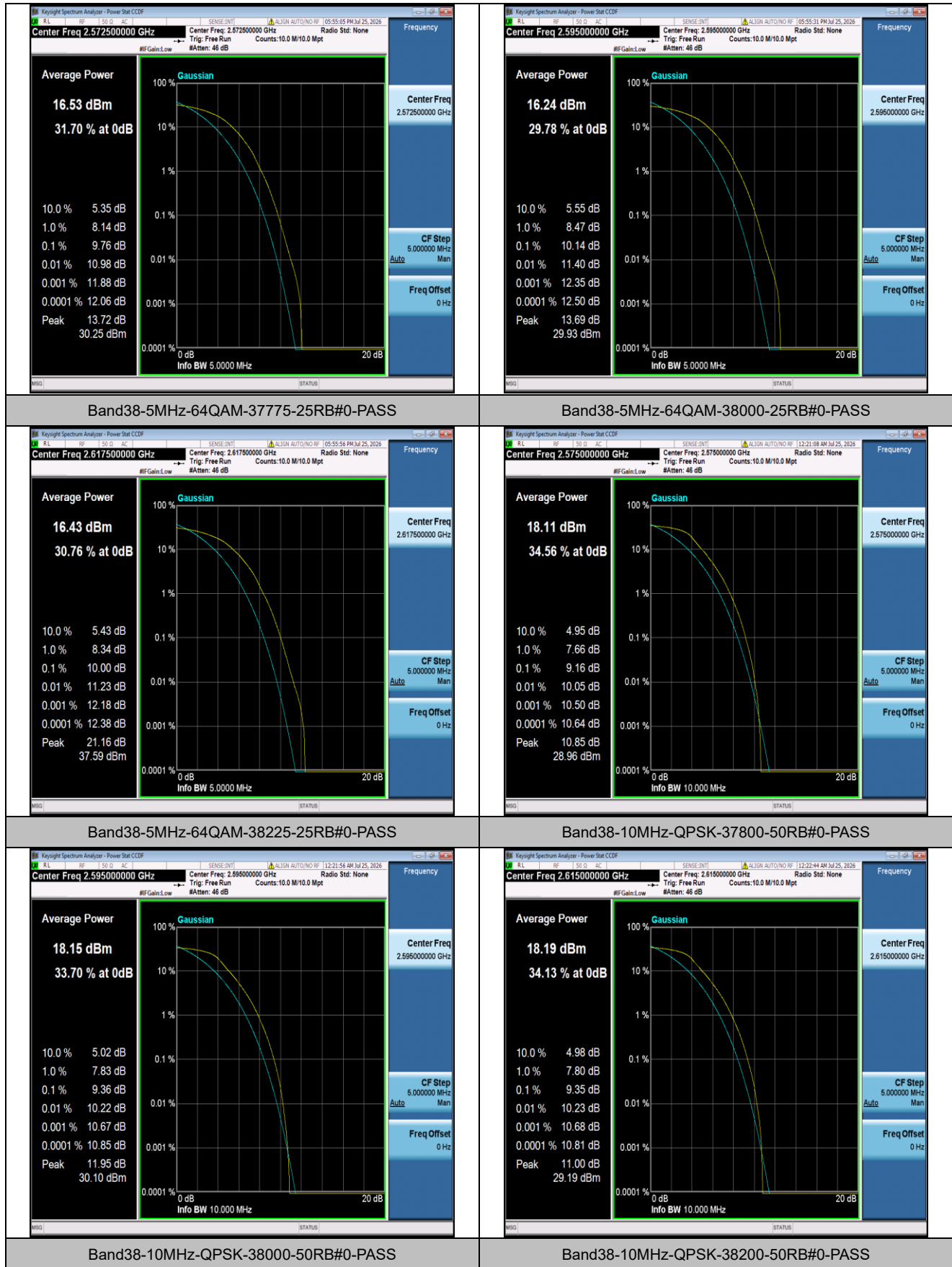
Peak-to-Average Ratio(CCDF)

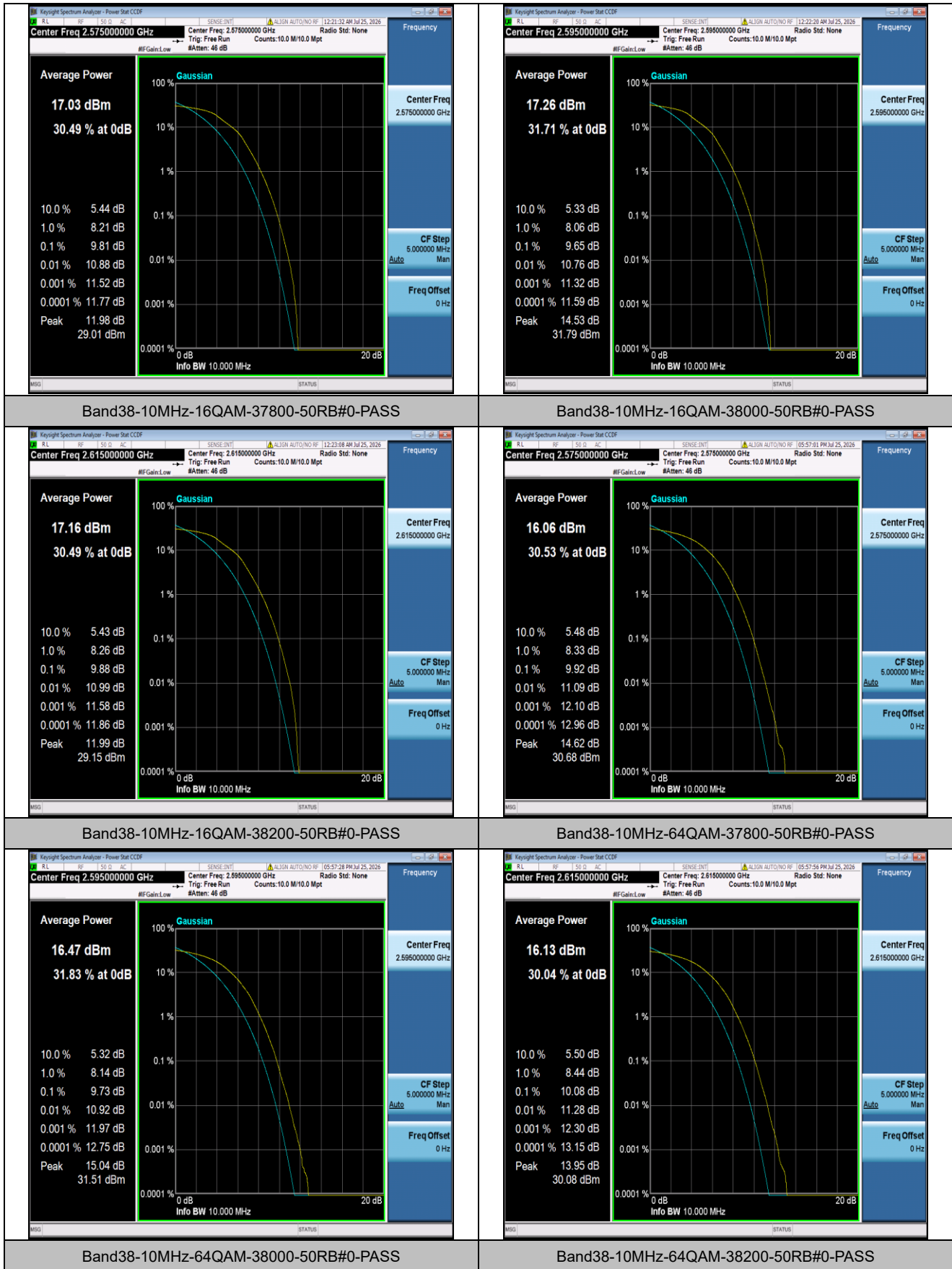
Test Result

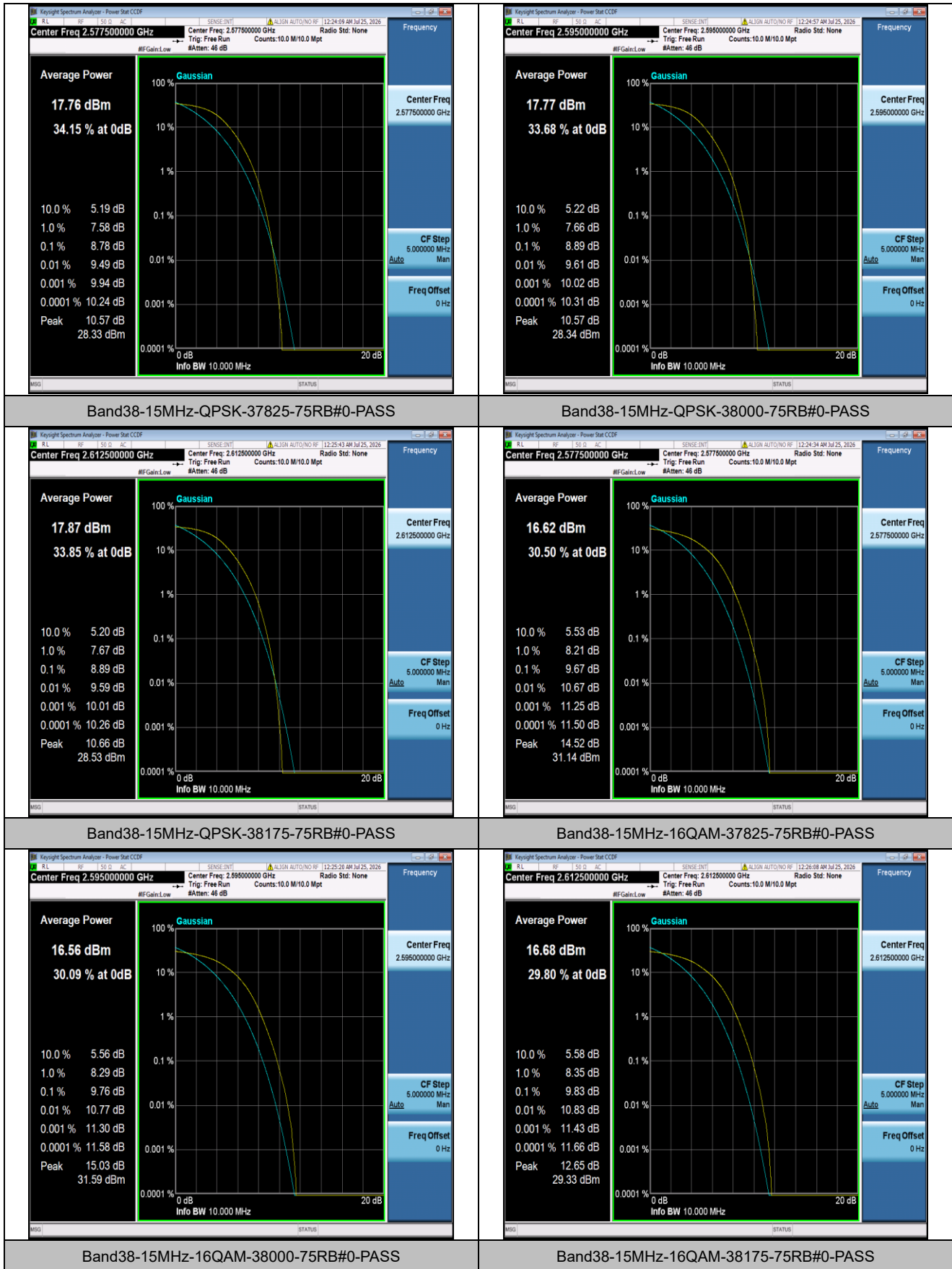
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	9.35	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.17	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.23	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.91	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.90	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.87	13	PASS
Band38	5MHz	64QAM	37775	25RB#0	9.76	13	PASS
Band38	5MHz	64QAM	38000	25RB#0	10.14	13	PASS
Band38	5MHz	64QAM	38225	25RB#0	10.00	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.16	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.36	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.35	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.81	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.65	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.88	13	PASS
Band38	10MHz	64QAM	37800	50RB#0	9.92	13	PASS
Band38	10MHz	64QAM	38000	50RB#0	9.73	13	PASS
Band38	10MHz	64QAM	38200	50RB#0	10.08	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.78	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.89	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.89	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.67	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.76	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.83	13	PASS
Band38	15MHz	64QAM	37825	75RB#0	9.87	13	PASS
Band38	15MHz	64QAM	38000	75RB#0	10.16	13	PASS
Band38	15MHz	64QAM	38175	75RB#0	9.78	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.53	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.67	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.53	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.64	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.83	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.91	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.60	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	10.05	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.64	13	PASS

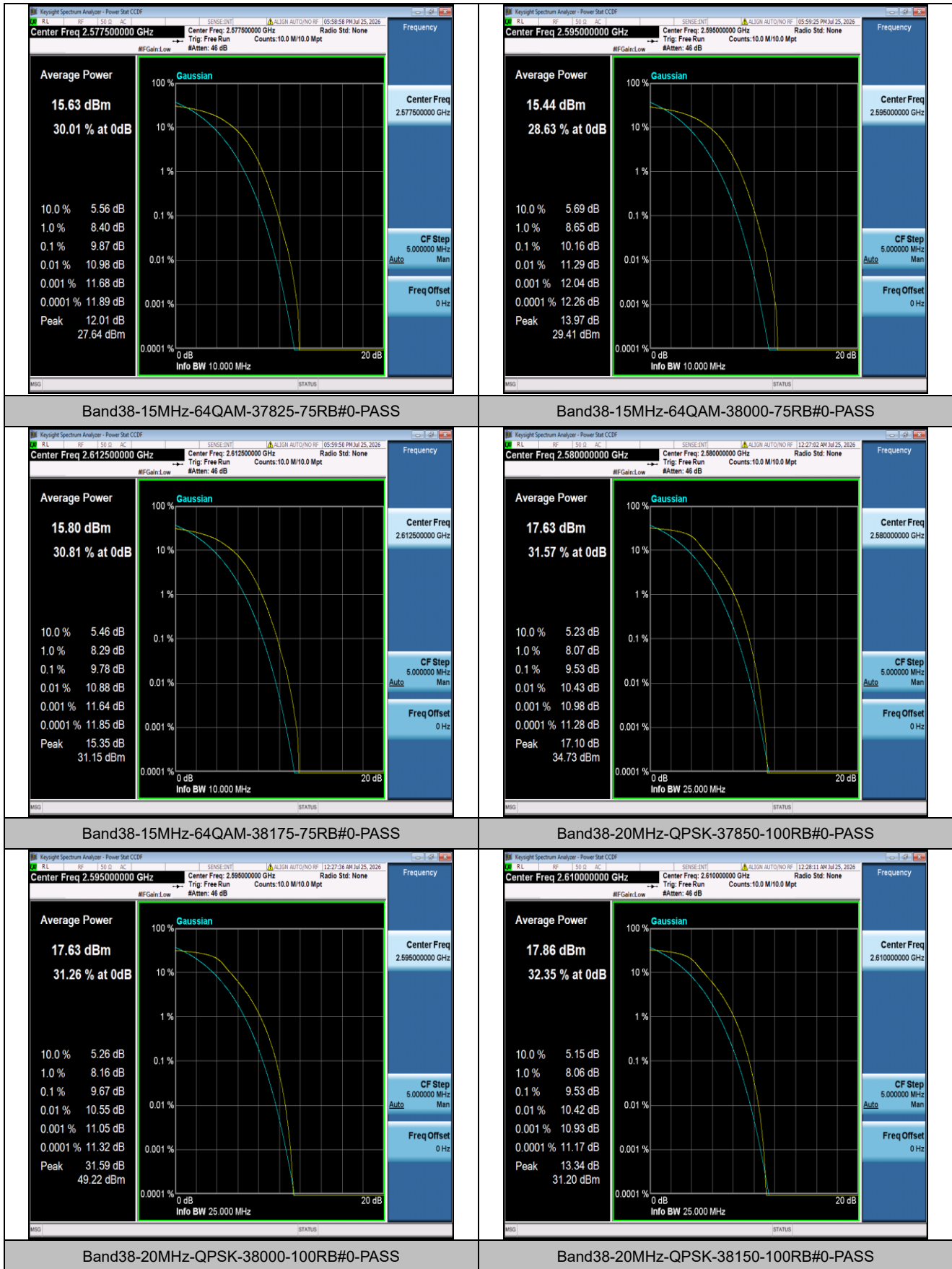
Test Graphs

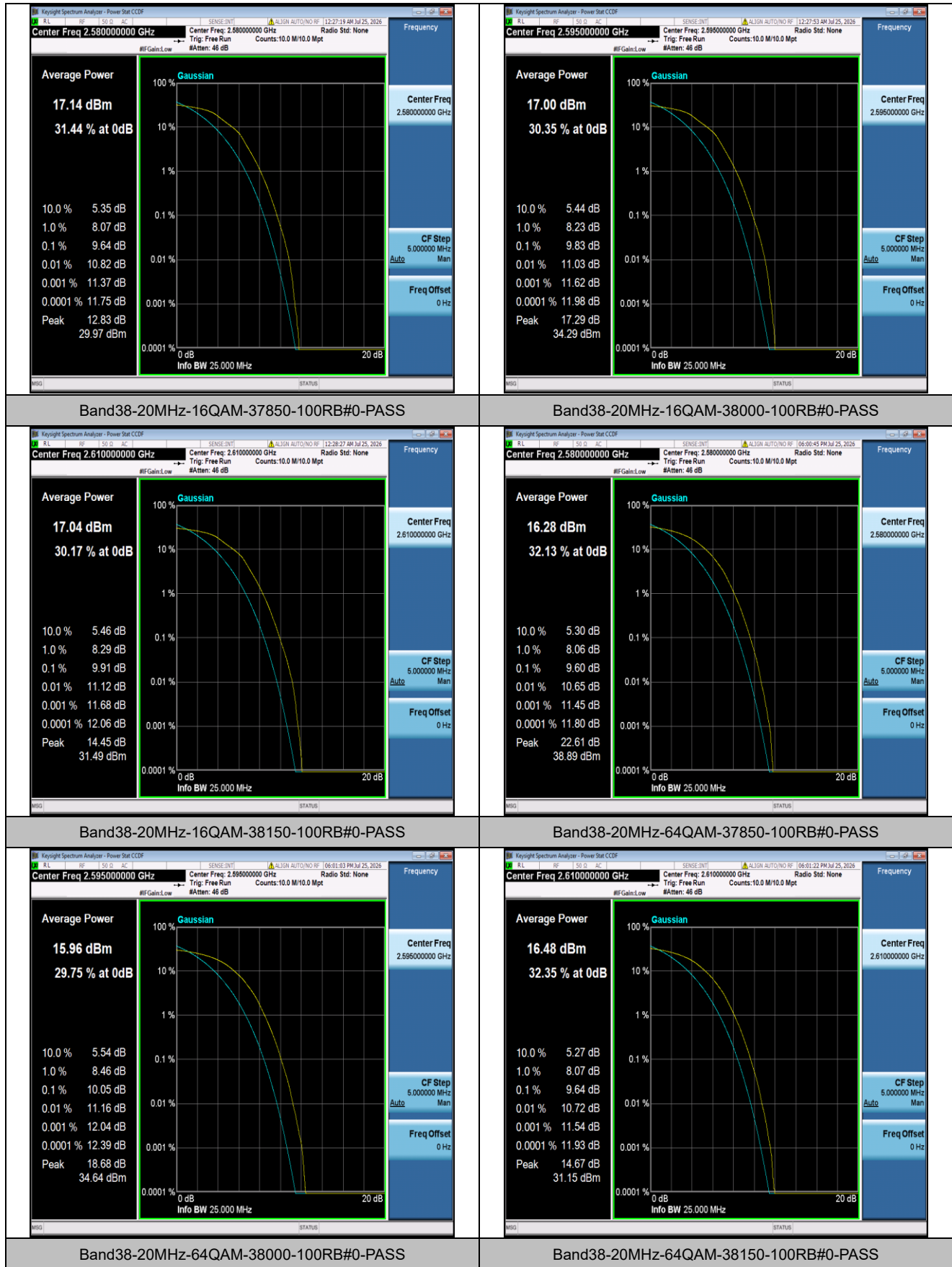












26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4999	5.169	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4984	5.121	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5001	5.129	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4903	5.180	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4899	5.144	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4922	5.163	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.4972	5.145	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.4948	5.127	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.4928	5.136	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9772	9.913	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9812	10.05	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9791	9.982	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9571	10.39	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9569	10.33	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9541	10.07	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.9775	9.800	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.9694	9.779	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.9814	9.865	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.506	15.51	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.81	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.495	16.10	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.456	18.71	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.446	15.22	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.471	15.29	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.454	14.92	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.429	14.99	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.410	14.77	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.953	19.51	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.921	19.47	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.963	19.56	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.898	20.89	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.939	21.01	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.958	20.99	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.917	20.04	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.899	19.48	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.900	20.18	PASS

Test Graphs

